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Application No. 10/531,664

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Tetsuo NAGANO et al.

Appln. No. : 10/531,664

(U.S. National Phase of PCT/JP2003/013179)

Group Art Unit: Not Yet Assigned

I.A. Filed : October 15, 2003

Examiner: Not Yet Assigned

Conf. No: 1923

For : REAGENTS FOR THE MEASUREMENT OF PEROXYNITRITES

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop **AMENDMENT**  
Randolph Building  
401 Dulany Street  
Alexandria VA 22314

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants hereby bring the following information to the attention of the Examiner, which includes information cited and discussed in the specification, the International Search Report, and the International Preliminary Examination Report issued in connection with counterpart International Application No. PCT/JP2003/013179. Copies of the International Search Report (in English and Japanese), and the International Preliminary Examination Report (in English and Japanese) were enclosed with the papers when entering the National Stage on April 15, 2005. The Examiner is invited to review these materials to inspect the relevance indicated during international examination with respect to the documents cited therein.

- (1) WO 01/64664 A1, accompanied by family member EP 1 260 508 A1, and which is cited and discussed in the specification beginning on page 2;

- (2) JP 06-211831, accompanied by an English language abstract and family member U.S. Patent No. 5,451,343;
- (3) William A. PRYOR et al., "A Practical Method for Preparing Peroxynitrite Solutions of Low Ionic Strength and Free of Hydrogen Peroxide," Free Radical Biology & Medicine", Vol. 18, No. 1, pp. 75-83 (1995), which is cited and discussed in the specification beginning on page 7;
- (4) Stephen L. HEMPEL et al., "Dihydrofluorescein Diacetate is Superior for Detecting Intracellular Oxidants: Comparison with 2',7'-Dichlorodihydrofluorescein Diacetate, 5(and 6)-Carboxy-2',7'-Dichlorodihydrofluorescein Diacetate, and Dihydrorhodamine 123," Free Radical Biology & Medicine, Vol. 27, Nos. 1/2, pp. 146-159 (1999), which is cited and discussed in the specification beginning on page 7; and
- (5) Joseph A. HRABIE et al., "New Nitric Oxide-Releasing Zwitterions Derived from Polyamines," J. Org. Chem. Vol. 58, pp. 1472-1476 (1993), which is cited and discussed in the specification beginning on page 8.

Applicants also bring the to the attention of the Examiner the following documents:

- (6) U.S. Pat. No. 6,903,226;
- (7) U.S. Pat. App. Publication No. 2003/0157727;
- (8) U.S. Pat. App. Publication No. 2003/0153027;
- (9) U.S. Pat. App. Publication No. 2005/0037332;
- (10) U.S. Pat. App. Publication No. 2005/0064308;
- (11) U.S. Pat. App. Publication No. 2005/0182253;
- (12) U.S. Pat. App. Publication No. 2006/0030054;

- (13) U.S. Application No. 10/531,664, which is a National Stage Application of PCT/JP2003/013179, and which published as WO 2004/040296;
- (14) U.S. Application No. 10/570,355, which is a National Stage Application of PCT/JP2004/013185, and which published as WO 2005/024049;
- (15) U.S. Pat. App. No. 11/433,691, which is a continuation of 10/994,380 which published as U.S. Pat. App. Publication No. 2005/0064308, which is a divisional of 10/203,628, and now U.S. Pat. No. 6,903,226;
- (16) U.S. Pat. App. No. 11/382,424, which is a continuation of U.S. Application No. 10/204,417 which published as U.S. Pat. App. Publication No. 2003/0153027, and which U.S. Application No. 10/204,417 is a National Stage Application of PCT/JP2001/01504, and which published as WO 01/63265;
- (17) U.S. Pat. No. 6,756,231;
- (18) U.S. Pat. No. 6,469,051;
- (19) U.S. Pat. No. 6,441,197;
- (20) U.S. Pat. App. Publication No. 2005/0123478;
- (21) U.S. Pat. App. Publication No. 2005/0130314;
- (22) U.S. Pat. App. Publication No. 2004/0147035;
- (23) U.S. Pat. App. Publication No. 2004/0043498;
- (24) U.S. Patent No. 6,013,802;
- (25) U.S. Patent No. 6,833,386;
- (26) U.S. Patent No. 6,569,892;
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- (28) U.S. Patent No. 5,648,270;
- (29) U.S. Patent No. 6,469,051;
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In accordance with 37 C.F.R 1.98, a copy of the U.S. Patents and U.S. Patent Application Publications are not enclosed herewith. However, if copies are needed, the Examiner is respectfully requested to contact the undersigned.

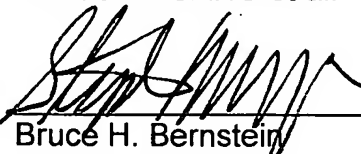
Copies of the above-noted documents, except for the U.S. Patents and U.S. Patent Application Publications are enclosed together with a duly completed Form PTO-1449. The Examiner is accordingly requested to consider each of these documents, and to make them of record in this application by initialing in the appropriate spaces on the Form PTO-1449. Applicants respectfully requests that the Examiner include a copy of the initialed Form PTO-1449 with the next communication from the U.S. Patent and Trademark Office.

Applicants note that while this Information Disclosure Statement is being filed more than three months from the filing date, Applicants have not received an action on the merits from the U.S. Patent and Trademark Office. Accordingly, consideration of the enclosed document is required under 37 C.F.R. 1.97(b)(3).

However, if an action on the merits has been mailed prior to the filing date of this Information Disclosure Statement, Applicants hereby authorize the charging of any required fees necessary for consideration of the documents cited herein to Deposit Account No. 19-0089.

Should there be any questions, the Examiner is invited to contact the undersigned at the below listed telephone number.

Respectfully submitted,  
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FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P27709Application No.  
10/531,664INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)Applicant  
Tetsuo NAGANO et al.Filing Date  
October 15, 2003Group  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6 9 0 3 2 2 6	06/07/05	NAGANO et al.			
	2003	0 1 5 7 7 2 7	08/21/03	NAGANO et al.			
	2003	0 1 5 3 0 2 7	08/14/03	NAGANO et al.			
	2005	0 0 3 7 3 3 2	02/17/05	KOMATSU et al.,			
	2005	0 0 6 4 3 0 8	03/24/05	NAGANO et al.			
	2005	0 1 8 2 2 5 3	08/18/05	YANO et al.			
	2006	0 0 3 0 0 5 4	02/09/06	NAGANO et al.			
		6 0 1 3 8 0 2	01/11/00	HOYLAND et al.			
		6 8 3 3 3 8 6	12/21/04	NAGANO et al.			
		6 5 6 9 8 9 2	05/27/03	NAGANO et al.			
		5 8 7 4 5 9 0	02/23/99	NAGANO et al.			
		5 6 4 8 2 7 0	07/15/97	KUHN et al.			
		6 4 6 9 0 5 1	10/22/02	NAGANO et al.			
		6 5 2 5 0 8 8	01/10/95	PITNER et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	01	/ 6 4 6 6 4	09/07/01	W.I.P.O			
		1 2 6 0 5 0 8	11/27/02	E.P.O			
	06	- 2 1 1 8 3 1	08/02/94	JAPAN			
	2004	/ 0 4 0 2 9 6	05/13/04	W.I.P.O			
	2005	/ 0 2 4 0 4 9	03/17/05	W.I.P.O			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	English Language Abstract of JP 06-211831.
	2	William A. PRYOR et al., "A Practical Method for Preparing Peroxynitrite Solutions of Low Ionic Strength and Free of Hydrogen Peroxide," Free Radical Biology & Medicine", Vol. 18, No. 1, pp. 75-83 (1995),
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	3	Joseph A. HRABIE et al., "New Nitric Oxide-Releasing Zwitterions Derived from Polyamines," J. Org. Chem. Vol. 58, pp. 1472-1476 (1993).
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EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P27709Application No.  
10/531,664INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)Applicant  
Tetsuo NAGANO et al.Filing Date  
October 15, 2003Group  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6 5 6 9 8 9 2	05/27/03	NAGANO et al.			
		6 2 0 1 1 3 4	03/13/01	NAGANO et al.			
		5 8 7 4 5 9 0	02/23/99	NAGANO et al.			
		5 2 0 8 1 4 8	05/04/93	HAUGLAND et al.			
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	Applicant Tetsuo NAGANO et al.		
	Filing Date October 15, 2003	Group Unknown	

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	Applicant Tetsuo NAGANO et al.	
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